

Amendments to the Claims

1.- 39. (canceled)

40. (original) A hybrid rocket motor, comprising:

a) a container having a fluid reactant therein and an outlet for said first fluid reactant;

b) a main combustion chamber provided with a solid reactant for said first fluid reactant;

c) an injector between said outlet of said container and said main combustion chamber through which said fluid reactant is injected into said main combustion chamber;

d) a precombustion chamber at a head end of said main combustion chamber which receives a fluid oxidizer; and

e) a catalyst provided in said precombustion chamber which catalyzes with said fluid oxidizer to form a catalyzed oxidizer.

41. (original) A hybrid rocket motor according to claim 40, wherein:

said fluid oxidizer is said first fluid reactant.

42. (original) A hybrid rocket motor according to claim 41, wherein:

said fluid oxidizer is piped to said precombustion chamber from said container.

43. (original) A hybrid rocket motor according to claim 40, wherein:

said fluid oxidizer is H_2O_2 .

44. (original) A hybrid rocket motor according to claim 40,
further comprising:

f) a fuel in said precombustion chamber which reacts with said
catalyzed oxidizer.

45. (original) A hybrid rocket motor according to claim 40,
wherein:

said catalyst is a solid.

46. (original) A hybrid rocket motor according to claim 45,
wherein:

said catalyst is strontium nitrate on silver mesh.

47. (original) A hybrid rocket motor according to claim 40,
wherein:

said catalyst is a fluid.

48. (original) A hybrid rocket motor according to claim 46,
wherein:

said catalyst is a potassium permanganate solution.